EA MLA Signatory
Český institut pro akreditaci, o.p.s.
(Czech Accreditation Institute)
Hájkova 2747/22, Žižkov, 130 00 Praha 3

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products and on changes and amendments to some Acts, as amended

CERTIFICATE OF ACCREDITATION

No. **256/2025**

INECO průmyslová ekologie s.r.o.
with registered office náměstí Republiky 2996, 544 01 Dvůr Králové nad Labem
Company Registration No. 27487270

for the Testing Laboratory No. **1350**
INECO průmyslová ekologie s.r.o. Testing Laboratory

Scope of accreditation:

Testing of physical and chemical quantities in working and non-working environment – measurement of noise and vibration, dust, chemical substances, microclimate and emissions, analysis of drinking, surface, waste and bathing waters, including sampling to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

ČSN EN ISO/IEC 17025:2018

In its activities performed within the scope and for the period of validity of this Certificate, the abovementioned Accredited Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Accredited Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited conformity assessment body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 197/2024 of 30/04/2024, and/or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **30/05/2030**

Prague: 30/05/2025

Český institut pro akreditaci, o.p.s. «CAI»

Signed in the Czech original:
Zdeňka Drdová on 30/05/2025

Jan Velíšek
Director of the Department
of Testing and Calibration Laboratories
Czech Accreditation Institute

This translation of the Czech original has been issued by: Eliška Frycová

The Appendix is an integral part of
Certificate of Accreditation No. 256/2025 of 30/05/2025

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

INECO průmyslová ekologie, s.r.o.
CAB number 1350, INECO průmyslová ekologie s.r.o. Testing Laboratory
náměstí Republiky 2996, 544 01 Dvůr Králové nad Labem

The laboratory applies a flexible approach to the scope of accreditation.
The current list of activities carried out within the flexible scope is available on the laboratory's website https://ineco.cz/autorizace-a-akreditace/ in the form of the „List of activities within the flexible scope of accreditation".
Detailed information on activities within the scope of accreditation (determined analytes) is given in the section „Specification of the scope of accreditation".

Tests:

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
1*	Measurement of noise	SOP/PP-15 (ČSN EN ISO 9612; MoH CR Bulletin, Part 4/2013)	Working environment	D
2*	Measurement of noise	SOP/PP-13 (ČSN ISO 1996-1; ČSN ISO 1996-2; MoH CR Bulletin, Part 14/2023)	Non-working environment	D
3*	Measurement of vibration	SOP/PP-18 (ČSN EN ISO 5349-1; ČSN EN ISO 5349-2; ČSN ISO 2631-1; MoH CR Bulletin, Part 4/2013)	Working environment	D
4*	Measurement of sound power	SOP/PP-16 (ČSN EN ISO 3746; ČSN EN ISO 3744)	Noise source	-
5	Determination of particulate matter (dust) in air by gravimetry	SOP/PP-11, chap. 5.2, 7.4 and 8 (GR No. 361/2007 Coll.; Decree No. 43/2025 Coll.)	Working environment, indoor environment	-
6	Determination of aerosol of mineral oils (by gravimetry)	SOP/PP-12, chap. 5.2, 7.4 and 8 (GR No. 361/2007 Coll.; method MDHS 84/2)	Working environment, indoor environment	-
7*	Measurement of microclimatic conditions (resulting temperature of a spherical thermometer, air temperature, relative air humidity, air flow velocity, operating temperature)	SOP/PP-20 (ČSN EN ISO 7726; MoH CR Bulletin, Part 8/2013)	Working environment, indoor environment	D
8	Determination of pH by potentiometry	SOP/V-01 (ČSN ISO 10523)	Drinking, surface, waste, bathing water	-

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

INECO průmyslová ekologie, s.r.o.
CAB number 1350, INECO průmyslová ekologie s.r.o. Testing Laboratory
náměstí Republiky 2996, 544 01 Dvůr Králové nad Labem

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
9*	Determination of redox potential (ORP)	SOP/V-61 (ČSN 75 7367)	Bathing water	-
10	Determination of total, dissolved, suspended solids and DIS by gravimetry	SOP/V-03 (ČSN EN 872; ČSN 75 7346; ČSN 75 7347)	Drinking, surface, waste water	-
11	Determination of chemical oxygen demand with dichromate (COD_{Cr}) by titration	SOP/V-04 (ČSN ISO 6060)	Surface, waste water	-
12	Determination of biochemical oxygen demand (BOD_5) by amperometry	SOP/V-05 (ČSN EN ISO 5815-1)	Surface, waste water	-
13	Determination of phosphate and total phosphorus by spectrophotometry	SOP/V-08 (ČSN EN ISO 6878)	Drinking, surface, waste water	-
14	Determination of nitrate by spectrophotometry	SOP/V-09 (ČSN ISO 7890-3)	Drinking, surface, waste, bathing water	-
15	Determination of nitrite by spectrophotometry	SOP/V-10 (ČSN EN 26777)	Drinking, surface, waste water	-
16	Determination of ammonium and ammonia by spectrophotometry	SOP/V-11a (ČSN ISO 7150-1)	Drinking, surface, bathing water	-
17	Determination of ammonium and ammonia by titration	SOP/V-11b (ČSN ISO 5664)	Drinking, surface, waste water, bathing water	-
18*	Determination of free, fixed and total chlorine using HACH commercial analytical set (by spectrophotometry)	SOP/V-15 (ČSN ISO 7393-2; HACH manual)	Drinking water, bathing water	-
19*	Determination of gas moisture (condensation method, adsorption method, capacitance detector, by psychrometry)	SOP/E-05 (ČSN EN 14790; ČSN ISO 4677-1:1996)	Emissions	-
20*	Determination of velocity and volume flow rate	SOP/E-14 (ČSN ISO 10780; ČSN EN 15259; ČSN EN ISO 16911-1)	Emissions	-

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

INECO průmyslová ekologie, s.r.o.
CAB number 1350, INECO průmyslová ekologie s.r.o. Testing Laboratory
náměstí Republiky 2996, 544 01 Dvůr Králové nad Labem

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
21	Determination of the mass concentration of solid pollutants by gravimetry	SOP/E-01, chap. 6.4 (ČSN EN 13284-1; ČSN EN 15259)	Emissions	-
22*	Determination of total mass concentration of organic compounds expressed as total organic carbon (TOC) by automatic analyzers (FID)	SOP/E-06 (ČSN EN 12619)	Emissions	-
23*	Determination of the mass concentration of gaseous pollutants (NOx) by automatic analyzers (chemiluminescence)	SOP/E-07 (ČSN ISO 10849; ČSN EN 14792)	Emissions	-
24*	Determination of the mass concentration of gaseous pollutants (CO, NO, NO_2, NOx, N2O, SO2, CH4, C3H8) and determination of the volume concentration of gaseous pollutants (CO2) by automated analyzers (non-dispersive infrared spectroscopy)	SOP/E-07 (ČSN EN 15058; ČSN ISO 7935; ČSN ISO 10849; ČSN P CEN/TS 17405; ČSN EN ISO 21258; MRU MGAPrime manual)	Emissions	-
25*	Determination of volume concentration of oxygen (O_2) by automatic analyzer (paramagnetic method)	SOP/E-16 (ČSN EN 14789)	Emissions	-
26	Determination of the mass concentration of inorganic compounds by calculation from measured values	SOP/PP-14 (Gov. Reg. No. 361/2007 Coll.)	Woking air, indoor air	-
27	Determination of the mass concentration of organic compounds by calculation from measured values	SOP/PP-19 (Government Regulation No. 361/2007 Coll.; ČSN EN ISO 16017-1; ISO 16000-3; ISO 16000-6)	Woking air, indoor air	-
28	Determination of the mass concentration of volatile organic compounds (VOC) by calculation from measured values	SOP/E-03, chap. 6.4 (ČSN P CEN/TS 13649)	Emissions	-

The Appendix is an integral part of
Certificate of Accreditation No. 256/2025 of 30/05/2025

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

INECO průmyslová ekologie, s.r.o.
CAB number 1350, INECO průmyslová ekologie s.r.o. Testing Laboratory
náměstí Republiky 2996, 544 01 Dvůr Králové nad Labem

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
29	Determination of the mass concentration of gases and vapours by absorption into liquid and calculation from measured values (H^+, CN, phenols, HCl, Cl^- HF, F^-, NH_3, H_2S)	SOP/E-04, chap. 6.4 (ČSN EN 1911; ČSN P CEN/TS 17340; ČSN 83 4728-1; ČSN EN ISO 21877; ČSN 83 4712-1; ČSN EN 14791)	Emissions	-
30	Determination of mass concentration of metals by calculation from measured values[4]	SOP/E-12, chap. 6.4 (ČSN EN 14385; ČSN EN 13211; EPA Method 29; EPA Method 0061)	Emissions	-
31*	Determination of total mass concentration of CH_4 by automatic analyzer (FID)	SOP/E-18 (ČSN EN ISO 25140; ČSN EN 12619)	Emissions	-
32	Determination of the mass concentration of persistent organic pollutants (POPs) and their sums by calculation from measured values[4] (PCDD, PCDF, PCB, PAH)	SOP/E-17, chap. 6.4 (ČSN EN 1948-4+A1; ISO 11338-2)	Emissions	-
33	Quality assurance of automated measuring systems	SOP/E-19 (ČSN EN 14181, cl. 6.3-6.8; QAL2, cl. 8 AST)	Automated emission measuring systems	-
34	Determination of chemical oxygen demand with dichromate (COD_{Cr}) by spectrophotometry using HACH cuvette test	SOP/V-04 b (ČSN ISO 15705; Hach manual)	Surface, waste water	-

[1] asterisk at the ordinal number identifies the tests, which the laboratory is qualified to carry out outside the permanent laboratory premises

[2] if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest valid edition of the specified procedure is used (including any changes)

[3] degrees of freedom: A – Flexibility concerning materials/products (subject of the test), B – Flexibility concerning components/parameters/characteristics, C – Flexibility concerning the performance of the method, D – Flexibility concerning the method

The laboratory can modify the test procedures with the specified degree(s) of freedom in the scope of accreditation while maintaining the principle of measurement. If no degree of freedom is specified, the laboratory cannot apply a flexible approach to the scope of accreditation for the test.

The Appendix is an integral part of
Certificate of Accreditation No. 256/2025 of 30/05/2025

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

INECO průmyslová ekologie, s.r.o.
CAB number 1350, INECO průmyslová ekologie s.r.o. Testing Laboratory
náměstí Republiky 2996, 544 01 Dvůr Králové nad Labem

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
26	CN, Phenol, H_2S, HCl, HF, NH_3, H_2SO_4, HNO_3, H_3PO_4, KOH, NaOH, metals: $Cr_{tot.}$, Cr^{6+}, Cu, Mn, Ni, Zn, Pb, Cd, Sn, Al, Mo, Ag, Se, Mo, Pt, Co, Ti
27	Aliphatic, aromatic and halogenated hydrocarbons (according to Annex No. 2 to Government Regulation No. 361/2007 Coll.)
29	Inorganic acids as H^+, CN^-, phenols, HCl, HF, NH_3, H_2S, H_2SO_4, SO_2
30	As, Cd, Be, Cr, Cr^{3+}, Co, Ni, Tl, Se, Te, Sb, Sn, Mn, Cu, Pb, V, Zn, Al, Ag, Fe, Ba, Hg, Cr^{6+}

Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification[1]	Subject of sampling
1	Sampling of air into absorption solutions for the determination of concentration of chemical substances	SOP/PP-14 (Gov. Reg. No. 361/2007 Coll.)	Working air and indoor air
2	Sampling of air on filters for the determination of concentration of dust and aerosols	SOP/PP-11, excl. chap. 5.2, 7.4 and 8 (GR No. 361/2007 Coll.)	Working air, indoor air
3	Waste water sampling by both manual and automated method	SOP/V-54 (ČSN ISO 5667-10; ČSN ISO 5667-14; ČSN EN ISO 5667-3; ČSN EN ISO 5667-1)	Waste water
4	Drinking water sampling	SOP/V-55 (ČSN ISO 5667-5; ČSN ISO 5667- 14; ČSN EN ISO 5667-3; ČSN EN ISO 5667-1; ČSN EN ISO 19458)	Drinking water
5	Bathing water sampling	SOP/V-56 (ČSN ISO 5667-4; ČSN ISO 5667-6; ČSN ISO 5667-14; ČSN EN ISO 5667-3; ČSN EN ISO 5667-1; ČSN EN ISO 19458; MoH Regulation No. 238/2011 Coll.)	Bathing water

The Appendix is an integral part of
Certificate of Accreditation No. 256/2025 of 30/05/2025

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

INECO průmyslová ekologie, s.r.o.
CAB number 1350, INECO průmyslová ekologie s.r.o. Testing Laboratory
náměstí Republiky 2996, 544 01 Dvůr Králové nad Labem

Ordinal number	Sampling procedure name	Sampling procedure identification[1]	Subject of sampling
6	Surface water sampling	SOP/V-60 (ČSN ISO 5667-4; ČSN ISO 5667-6; ČSN ISO 5667-14; ČSN EN ISO 5667-3; ČSN EN ISO 5667-1; ČSN EN ISO 19458)	Surface water
7	Air sampling on a solid sorbent for the determination of volatile organic compounds	SOP/PP-19 (Government Regulation No. 361/2007 Coll.; ČSN EN ISO 16017-1; ČSN EN ISO 16000-2; ISO 16000-3; ČSN EN ISO 16000-5; ISO 16000-6)	Working air and indoor air
8	Sampling of volatile organic compounds (VOC) by catching on a solid sorbent	SOP/E-03 excl. chap. 6.4 (ČSN P CEN/TS 13649)	Emissions
9	Gas and vapour sampling by absorption into liquid	SOP/E-04, excl. chap. 6.4 (ČSN EN 1911; ČSN P CEN/TS 17340; ČSN 83 4728-2; ČSN EN ISO 21877; ČSN 83 4712-2; ČSN EN 14791)	Emissions
10	Taking samples for the determination of metals – isokinetic sampling with both manual and automatic isokinetic control and absorption into liquid	SOP/E-12, excl. chap. 6.4 (ČSN EN 14385; ČSN EN 13211; EPA Method 29; EPA Method 0061)	Emissions
11	Sampling of solid pollutants (isokinetic sampling with manual and automatic isokinetic control)	SOP/E-01, excl. chap. 6.4 (ČSN EN 13284-1)	Emissions

The Appendix is an integral part of
Certificate of Accreditation No. 256/2025 of 30/05/2025

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

INECO průmyslová ekologie, s.r.o.
CAB number 1350, INECO průmyslová ekologie s.r.o. Testing Laboratory
náměstí Republiky 2996, 544 01 Dvůr Králové nad Labem

Ordinal number	Sampling procedure name	Sampling procedure identification[1]	Subject of sampling
12	Sampling for the determination of persistent organic pollutants (POPs) and their sums (PCDD/PCDF, PCB, and PAH) – isokinetic sampling with manual and automatic isokinetic control, filtration condensation method	SOP/E-17, excl. chap. 6.4 (ČSN EN 1948-1; ČSN EN 1948-4+A1; ISO 11338-1; ISO 11338-2)	Emissions
13	Sampling of air on filters for the determination of concentration of oil aerosols	SOP/PP-12, excl. chap. 5.2, 7.4, 8 (Government Decree No. 361/2007 Coll.; method MDHS 84/2)	Working, indoor air
14	Air sampling on filters to determine the numerical concentration of mineral and asbestos fibres	SOP/PP-11, excl. chap. 5.2, 7.4, 8 (GR No. 361/2007 Coll.; ČSN EN ISO 16000-7; Decree No. 43/2025 Coll.)	Working, indoor air

[1] if the document identifying the sampling procedure is dated, only these specific procedures are used. If the document identifying the sampling procedure is not dated, the latest valid edition of the specified procedure is used (including any changes)

Explanations:

SOP – standard operating procedure

FID – Flame Ionization Detection

VOC – Volatile Organic Compounds

TOC – Total Organic Carbon

TZL – Particulate Pollutants

POPs – Persistent Organic Pollutants

PCDD, PCDF – Polychlorinated dibenzo-p-dioxins and dibenzofurans

PAH – Polycyclic aromatic hydrocarbons

PCB – Polychlorinated pesticides

Emissions – Waste gas containing pollutants released in a controlled manner or leaking into atmosphere from sources of pollution.